PROFLEX®
New Energy driving future power

SOLAR SYSTEM

PR-SHS8000 Series

Design Backup Time 5-6Hrs

	Item	PR-SHS8000
Solar Module	Maximum power at STC(pm)	5520W Solar Panel (24pcs x 230W, 2pcs series, 12strings parallel)
	Max. system charging voltage	59.6V
	Max. system charging current	92.64A
PRNZ-C Inverter & Solar Controller	Inverter Type	Pure sine wave with utility charger
	Inverter output power	8000VA (6400W)
	Inverter output voltage	220V / 50Hz
	System DC Voltage	48V
	Controller discharge current	120A
Cabinet	Material	Steel box of zinc-plated and lacquer-coated
Battery	Type	Deep Cycle
	System Voltage	48V
	Capacity	12pcs 12V 260Ah
Operating Temperature		-20°C ~ +55°C
Packing (CBM / KG)	Solar panel	2.65CBM / 430KGS
	Control box	0.2CBM 90KGS
	Battery	0.6CBM 900KGS
	Whole System	3.45CBM 1420KGS







Daily use reference

Name of Load	Power	Working Hours	Consumption
TV	2X120W	8hours	1920Wh
COMPUTER	2X150W	4hours	1200Wh
LIGHTING	150W	8hours	1200Wh
FAN	3X80W	12hours	2880Wh
FRIDGE	120W	24hours	1440Wh
WASHING MACHINE	300W	1hours	300Wh
WATER PUMP	500W	2hours	1000Wh
HAIR DRIER	500W	0.5hours	250Wh
AIR CONDITIONER	2.5HP (1875W)	8hours	15000Wh
PRINTER	150W	1hours	150Wh
FAX MACHINE	100W	1hours	100Wh
PROJECTOR	300W	3hours	900Wh
ELECTRIC KETTLE	500W	1hours	500Wh
ELECTRIC DRILL	200W	1hours	200Wh
ELECTRIC COOKER	500W	1hours	500Wh
DVD PLAYER	50W	3hours	150Wh
TOTAL	6025W		27690Wh

Applicable scope



